

7/24/2019

[Dart Hawkesbury] Job Sheet - Lajeunesse, Marie

ORDER 17771



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**RBW6521A00138-W142N-3T**  
**Job Sheet 198303**



Part No: RBW6521A00138-W142N-3T

Job Qty: 1 pcs

Part Name: Oil Seal Assembly Support Tool

6 pcs. BA

Part Weight: 0 lbs

Status: New

Job Created: 7/24/19

Priority: Medium

Due Date: 9/13/19

Job Tracking No:

Type: SOLD

Created By: Marie Lajeunesse

Description:

Note: DWG RBW6521A00138-W142N-3T Rev. 0 IPP Rev. A 18.09.25 New issue DP Verify DD

Ship Via:

## Bill of Materials

## Job Routing

| Op No | Operation              | Qty   | Start Date | Due Date | Standard Setup Hrs | Run Hrs | Workcenter/Supplier    | Lead Time | Sign-off |
|-------|------------------------|-------|------------|----------|--------------------|---------|------------------------|-----------|----------|
| 110   | Conventional Lathe - 1 | 1 pcs |            | 9/13/19  | 0.00               | 0.25    | Conventional Lathe - 1 |           |          |
| 120   | QC 2                   | 1 pcs |            | 9/13/19  | 0.00               | 0.00    | Conventional Lathe - 2 |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 1               |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 12              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 14              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 17              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 19              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 2               |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 20              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 22              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 23              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 25              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 32              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 33              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 35              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 39              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 4               |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 40              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 44              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 45              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 48              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 49              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 50              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 51              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 52              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 57              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 62              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 63              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 8               |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 66              |           |          |
|       |                        |       |            |          |                    |         | QC 2 - 64              |           |          |



Dart Aerospace Ltd.  
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Hawkesbury, ON K6A 1K7  
CANADA  
TEL: 1 813 632-5200  
Email: sales@dartaero.com  
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Container No: S210718



Part: RBW6521A00138-W142N-3T

Job No: 198303

Serial No/Batch: S210718

Revision: 0

Inspector:

Exp Date:

Instructions:

Date: 09/01/19

10988

Plex 7/24/19 2:56 PM Dart.lajeunesse.marie

|                                   |       |         |           |                        |              |
|-----------------------------------|-------|---------|-----------|------------------------|--------------|
| 130 QC 8                          | 1 pcs | 9/13/19 | 0.00 0.00 | QC 2 - 65              |              |
|                                   |       |         |           | QC 2 - 5               |              |
|                                   |       |         |           | QC 2 - 71              |              |
|                                   |       |         |           | QC 2 - 73              |              |
|                                   |       |         |           | QC 2 - 69              |              |
|                                   |       |         |           | QC 8 - 12              |              |
|                                   |       |         |           | QC 8 - 14              |              |
|                                   |       |         |           | QC 8 - 17              |              |
|                                   |       |         |           | QC 8 - 20              |              |
|                                   |       |         |           | QC 8 - 25              |              |
|                                   |       |         |           | QC 8 - 3               |              |
|                                   |       |         |           | QC 8 - 32              |              |
|                                   |       |         |           | QC 8 - 33              |              |
|                                   |       |         |           | QC 8 - 35              |              |
|                                   |       |         |           | QC 8 - 39              |              |
|                                   |       |         |           | QC 8 - 4               |              |
|                                   |       |         |           | QC 8 - 44              |              |
|                                   |       |         |           | QC 8 - 45              |              |
|                                   |       |         |           | QC 8 - 49              |              |
|                                   |       |         |           | QC 8 - 58              |              |
|                                   |       |         |           | QC 8 - 8               | B.A 19-09-03 |
|                                   |       |         |           | QC 8 - 9               |              |
|                                   |       |         |           | QC 8 - 68              |              |
|                                   |       |         |           | QC 8 - 67              |              |
|                                   |       |         |           | QC 8 - 1 (A)           |              |
|                                   |       |         |           | QC 8 - 47              |              |
|                                   |       |         |           | QC 8 - 40              |              |
|                                   |       |         |           | QC 8 - 52              |              |
|                                   |       |         |           | QC 8 - 23              |              |
|                                   |       |         |           | QC 8 - 57              |              |
| 150 Outsource - 12 - Black Oxide  | 1 pcs | 9/13/19 | 0.00 0.00 | GR002                  | 15-09-09     |
| 160 Packaging 2-1 - Receive - B4B | 1 pcs | 9/13/19 | 0.00 0.00 | Packaging 2 - 1 - B4B  |              |
|                                   |       |         |           | Packaging 2 - 2 - B4B  |              |
|                                   |       |         |           | Packaging 2 - 3 - B4B  |              |
|                                   |       |         |           | Packaging 2 - 5 - B4B  |              |
|                                   |       |         |           | Packaging 2 - 4 - B4B  |              |
|                                   |       |         |           | Packaging 2 - 6 - B4B  |              |
|                                   |       |         |           | Packaging 2 - 7 - B4B  |              |
|                                   |       |         |           | Packaging 2 - 8 - B4B  |              |
|                                   |       |         |           | Packaging 2 - 9 - B4B  |              |
|                                   |       |         |           | Packaging 2 - 10 - B4B |              |
|                                   |       |         |           | Packaging 2 - 11 - B4B |              |
|                                   |       |         |           | Packaging 2 - 12 - B4B |              |
|                                   |       |         |           | Packaging 2 - 13 - B4B |              |
|                                   |       |         |           | Packaging 2 - 14 - B4B |              |
|                                   |       |         |           | Packaging 2 - 15 - B4B |              |
|                                   |       |         |           | Packaging 2 - 16 - B4B |              |
|                                   |       |         |           | Packaging 2 - 17 - B4B |              |
|                                   |       |         |           | Packaging 2 - 18 - B4B |              |
|                                   |       |         |           | Packaging 2 - 19 - B4B |              |
|                                   |       |         |           | Packaging 2 - 20 - B4B |              |
|                                   |       |         |           | Packaging 2 - 21 - B4B |              |
|                                   |       |         |           | Packaging 2 - 22 - B4B |              |
|                                   |       |         |           | Packaging 2 - 23 - B4B |              |
|                                   |       |         |           | Packaging 2 - 24 - B4B |              |
|                                   |       |         |           | Packaging 2 - 25 - B4B |              |
|                                   |       |         |           | Packaging 2 - 26 - B4B |              |
|                                   |       |         |           | Packaging 2 - 27 - B4B |              |
|                                   |       |         |           | Packaging 2 - 28 - B4B |              |

7/24/2019

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|                                 |       |         |           |  |                        |                   |
|---------------------------------|-------|---------|-----------|--|------------------------|-------------------|
|                                 |       |         |           |  | Packaging 2 - 29 - B4B |                   |
|                                 |       |         |           |  | Packaging 2 - 30 - B4B |                   |
|                                 |       |         |           |  | Packaging 2 - 31 - B4B |                   |
|                                 |       |         |           |  | Packaging 2 - 32 - B4B |                   |
|                                 |       |         |           |  | Packaging 2 - 33 - B4B |                   |
|                                 |       |         |           |  | Packaging 2 - 34 - B4B |                   |
|                                 |       |         |           |  | Packaging 2 - 35 - B4B |                   |
|                                 |       |         |           |  | Packaging 2 - 36 - B4B |                   |
| 170 QC 6                        | 1 pcs | 9/13/19 | 0.00 0.00 |  | QC 6 - 9               |                   |
|                                 |       |         |           |  | QC 6 - 68              |                   |
|                                 |       |         |           |  | QC 6 - 61              |                   |
|                                 |       |         |           |  | QC 6 - 40              | SEP 2 4 2019      |
|                                 |       |         |           |  | QC 6 - 81              | DAS<br>28<br>9-89 |
| 180 Packaging 3-1 - Stock - B4B | 1 pcs | 9/13/19 | 0.00 0.00 |  | Packaging 3 - 1 - B4B  |                   |
|                                 |       |         |           |  | Packaging 3 - 2 - B4B  |                   |
|                                 |       |         |           |  | Packaging 3 - 3 - B4B  |                   |
|                                 |       |         |           |  | Packaging 3 - 4 - B4B  |                   |
|                                 |       |         |           |  | Packaging 3 - 5 - B4B  |                   |
|                                 |       |         |           |  | Packaging 3 - 6 - B4B  |                   |
|                                 |       |         |           |  | Packaging 3 - 7 - B4B  |                   |
|                                 |       |         |           |  | Packaging 3 - 8 - B4B  |                   |
|                                 |       |         |           |  | Packaging 3 - 9 - B4B  |                   |
|                                 |       |         |           |  | Packaging 3 - 10 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 11 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 12 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 13 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 14 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 15 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 16 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 17 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 18 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 19 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 20 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 21 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 22 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 23 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 24 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 25 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 26 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 27 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 28 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 29 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 30 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 31 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 32 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 33 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 34 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 35 - B4B |                   |
|                                 |       |         |           |  | Packaging 3 - 36 - B4B |                   |
| 190 QC 21 - SA                  | 1 pcs | 9/13/19 | 0.00 0.00 |  | QC 21 - SA - 21        | DAS               |
|                                 |       |         |           |  | QC 21 - SA - 70        | 21                |
|                                 |       |         |           |  | QC 21 - SA - 53        | 9-89              |

Part Op 110 - (Manufacture as per dwg) 1-Machine as per DWG. 2-Debur  
 Descriptions: 120 - (QC2- Inspect parts off machine FAI/FAIB)  
 130 - (QC8- Inspect parts - second check) Engrave T/N and/or P/N number using MARKTRONIC engraver as per DWG.  
 150 - (Outside Processing - Black Oxide) -Issue P/O to GROUPE ALTECH; PO 44450 -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 1018 -Certificate of Conformity is required  
 160 - (Receive & Inspect for Damage & Mat'l Certs)  
 170 - (QC6- All purchased or subcontracted products)

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180 - (Identify as per dwg & Stock Location: \_\_\_\_\_)  
190 - (QC21- Final Inspection - Work Order Release)

## Job BOM

| Part / Item | Component Name | Quantity           | Operation                  | Container |
|-------------|----------------|--------------------|----------------------------|-----------|
| M1018R4.500 | M1018R4.500    | .1250 ft (.125 ea) | 110-Conventional Lathe - 1 | 203778    |
| 593         |                |                    |                            |           |

## Job Allocations

| Operation                  | Component Part | Required | Inventory | Allocated |
|----------------------------|----------------|----------|-----------|-----------|
| 110-Conventional Lathe - 1 | M1018R4.500    | 0        | 0         | 0         |

## Part Specifications

Specifications could not be found.

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|                                             |          |              |                       |
|---------------------------------------------|----------|--------------|-----------------------|
| DART AEROSPACE LTD                          |          | Work Order:  | 198303                |
| Description: O1 seal assembly, support tool |          | Part Number: | RDW652/ACOB7.1/424-3T |
| Inspection Dwg: Same as P/N                 | Rev: N/A | Page 1 of 1  |                       |

[illegible]

|                                                |  |              |  |
|------------------------------------------------|--|--------------|--|
| <b>Engineering Approval:</b><br>(If necessary) |  | <b>Date:</b> |  |
|------------------------------------------------|--|--------------|--|



Entered: \_\_\_\_\_ Date: \_\_\_\_\_

**WORK ORDER NON-CONFORMANCE / ROUTE UPDATE**

Route update only

NCR No. \_\_\_\_\_

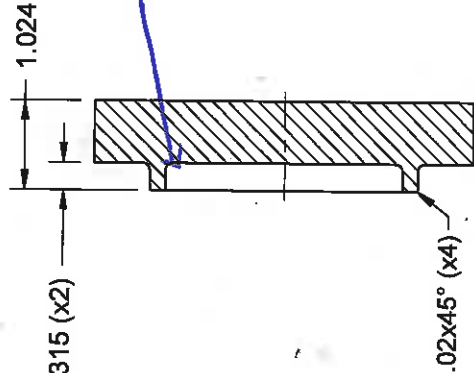
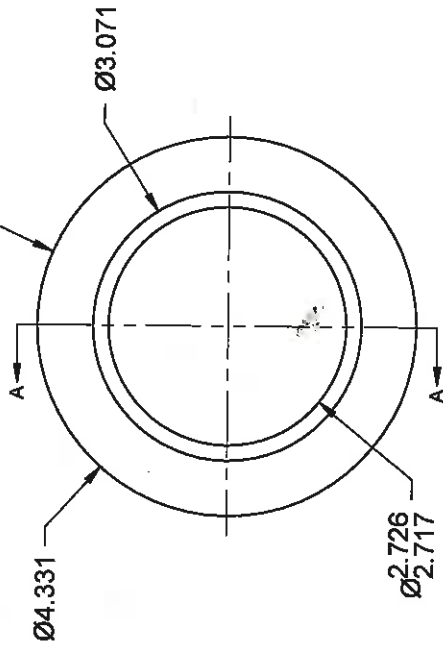
|                                                                                                                                                                                                                                                                                                                                                                                     |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Job: _____<br>Part No. _____                                                                                                                                                                                                                                                                                                                                                        |                   | <b>DISPOSITION</b><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | <b>DEPARTMENT/PROCESS</b><br>Cross tube <input type="checkbox"/><br>Small Fab <input type="checkbox"/><br>Finishing <input type="checkbox"/><br>Skid-tube <input type="checkbox"/><br>Machining <input type="checkbox"/><br>Large Fab <input type="checkbox"/><br>Eng. (Non-AW) <input type="checkbox"/><br>Prod. Eng. Coord. <input type="checkbox"/><br>Rec/Store/Packaging <input type="checkbox"/><br>Engineering <input type="checkbox"/><br>Water Jet <input type="checkbox"/><br>Supplier <input type="checkbox"/><br>Quality <input type="checkbox"/> |  |
| Date: _____                                                                                                                                                                                                                                                                                                                                                                         | Sequence #: _____ | QTY Affected: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | MRB (QS1042)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                    |                   | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                                                                                                                                                                                                                                                                                                                                                                                     |                   | Completed By                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                                                                                                                                                                                                                                                                                                                                                                                     |                   | Lead hand / Supervisor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                                                                                                                                                                                                                                                                                                                                                                                     |                   | QC / QA Coordinator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                                                                                                                                                                                                                                                                                                                                                                                     |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| <b>Root Cause</b><br>Operator <input type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Preservation <input type="checkbox"/><br>Material <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Human Factors <input type="checkbox"/> |                   | <b>FAULT CATEGORY</b><br>Pressure/Forced <input type="checkbox"/><br>Bending <input type="checkbox"/><br>Crushing <input type="checkbox"/><br>Cracks <input type="checkbox"/><br>Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/><br>Marks/Chatter <input type="checkbox"/><br>Mislabeled <input type="checkbox"/><br>Contamination <input type="checkbox"/><br>Misaligned/off center <input type="checkbox"/><br>BOM/Route <input type="checkbox"/><br>Broken/Damage/Defect <input type="checkbox"/><br>Incomplete/Unclear Instructions <input type="checkbox"/><br>Drill Holes <input type="checkbox"/><br>Fit/Function <input type="checkbox"/><br>Power Loss/Surge <input type="checkbox"/><br>Folio/Program <input type="checkbox"/><br>Grain Direction <input type="checkbox"/><br>Weld <input type="checkbox"/><br>Wrong Stock Pulled <input type="checkbox"/><br>Out of Sequence <input type="checkbox"/><br>Off-set/Set-up <input type="checkbox"/><br>Positioned Wrong <input type="checkbox"/><br>Outside Tolerance <input type="checkbox"/><br>Drawing <input type="checkbox"/><br>Finish <input type="checkbox"/><br>Part Lost/Missing <input type="checkbox"/><br>Misread <input type="checkbox"/> |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Other/Details: _____                                                                                                                                                                                                                                                                                                                                                                |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |

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| REV |  | DESCRIPTION |      | REVISIONS |          |
|-----|--|-------------|------|-----------|----------|
| REV |  | DESCRIPTION | DATE | INITIAL   | APPROVED |
|     |  |             |      |           |          |

conv. lathe

ENGRAVE  
RBW6521A00138-W142N-3T,  
S/N, "MADE IN USA"



SECTION A-A

NOTES

1. PART OF KIT RBW6505G00331-3T.

|                                                                                                                                             |            |                                                                                               |              |                                |                |           |      |
|---------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------------------|--------------|--------------------------------|----------------|-----------|------|
| RED BARN MACHINE                                                                                                                            |            | TITLE OIL SEAL ASSEMBLY<br>SUPPORT TOOL                                                       |              | DWG NO. RBW6521A00138-W142N-3T |                | REV       |      |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ON:<br>DECIMALS .XXX ± .005<br>FRACTIONS ± 1/32<br>ANGLES ± 5°<br>SPEC |            | DRAWN BY: PERRITT<br>APPROVED: <i>D. Pitt</i><br>TREAT: <i>D. Pitt</i><br>FINISH: BLACK OXIDE |              | USED ON MODEL<br>AW139         |                | SCALE NTS |      |
| UNLESS OTHERWISE SPECIFIED<br>1. BREAK ALL SHARP EDGES<br>0.15 X 45° PR. 0.15 R<br>2. DIMENSIONAL LIMITS APPLY AFTER PLATING                |            | DATE 12-31-08                                                                                 |              | SHEET 1 of 1                   |                | 12-31-08  |      |
| ASSY QTY                                                                                                                                    | BIO PART # | UNIT QTY                                                                                      | DESCRIPTION  | MATERIAL                       | Ø4-1/2 X 1-1/2 | Pg.       | 1018 |
| 1                                                                                                                                           | 1          | 1                                                                                             | SUPPORT TOOL | 1018                           | 1018           | 1018      | 1018 |



Dart Aerospace Ltd.  
1270 Aberdeen St  
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# PURCHASE ORDER

## POHB044450



**Supplier:** GRO002-VC  
Group Altech  
2455 Halpern  
St Laurent  
QC  
H4S 1N9 Canada  
Phone: 514-335-3666  
Fax: 514-335-3868

**Attention:** Grenon, Sylvie

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**PO No:** POHB044450

**PO Date:** 9/9/19

**Due Date:** 9/17/19

**Purchase Order  
Revision:**

**Revision Date:**

**Ship-To Contact:** Guerin, Kimberley  
Phone: 613-632-5200 Ext: 298  
kguerin@dartaero.com

**Via:** Ground

**Pymt Terms:** Net 60

**Freight Terms:**

**Special Comments:**

E-MAILED  
2019-09-10

### Items

| Line Item | Job    | Part                   | Description                                                                                                                                                                                                                                                                                                                                                         | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD) | Extended Price |
|-----------|--------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|----------|----------------|-------------------|---------|------------------|----------------|
| 1         | 198303 | RBW6521A00138-W142N-3T | Oil Seal Assembly Support Tool (Outside Processing - Black Oxide)<br>-Issue P/O to GROUPE ALTECH; PO<br>-Black oxide finish, MIL-C-13924C Class 1<br>-Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess.<br>-Material type; 1018<br>-Certificate of Conformity is required | Firmed | -       | 9/17/19  | 6 pcs          | 0 pcs             | 6 pcs   | \$7.10/pcs       | \$42.60        |

X6

*[Handwritten signature]*

SEP 18 2019

SZ10718

DP 40 0-30





Dart Aerospace Ltd.  
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# PURCHASE ORDER

## POHB044450



| Items     |        |                      |                                                                                                                                                                                                                                                                                                                                                          |        |         |             |                |                   |         |                  |                |
|-----------|--------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|-------------|----------------|-------------------|---------|------------------|----------------|
| Line Item | Job    | Part                 | Description                                                                                                                                                                                                                                                                                                                                              | Status | Account | Due Date    | Order Quantity | Received Quantity | Balance | Unit Price (CAD) | Extended Price |
| 2         | 197651 | RB6795590-3B         | FINGER, BEARING PULLER; GAS PRODUCER TURBINE, POWER TURBINE & COMPRESSOR<br>-Issue P/O;<br><br>-Black oxide finish, MIL-C-13924C Class 1<br>-Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-C-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess.<br>-Material type; O1<br>-Certificate of Conformity is required | Firmed | -       | 9/17/19     | 29 pcs         | 0 pcs             | 29 pcs  | \$1.95/pcs       | \$56.55        |
|           |        |                      |                                                                                                                                                                                                                                                                                                                                                          | X29    |         | SEP 18 2019 |                |                   |         |                  | DP             |
|           |        |                      |                                                                                                                                                                                                                                                                                                                                                          |        |         |             |                |                   |         |                  | S197710        |
| 3         | 198411 | RB 92700-10310-041-4 | Special Bolt<br>-Issue P/O;<br><br>-Black oxide finish, MIL-C-13924C Class 1<br>-Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-C-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess.<br>-Material type; 4140<br>-Certificate of Conformity is required                                                           | Firmed | -       | 9/17/19     | 6 pcs          | 0 pcs             | 6 pcs   | \$2.42/pcs       | \$14.52        |
|           |        |                      |                                                                                                                                                                                                                                                                                                                                                          | X6     |         | SEP 18 2019 |                |                   |         |                  | DP             |
|           |        |                      |                                                                                                                                                                                                                                                                                                                                                          |        |         |             |                |                   |         |                  | S212063        |



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER

## POHB044450



| Items     |        |                      |                                                                                                                                                                                                                                                                                         |                    |         |          |                |                   |         |                  |                |
|-----------|--------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------|----------|----------------|-------------------|---------|------------------|----------------|
| Line Item | Job    | Part                 | Description                                                                                                                                                                                                                                                                             | Status             | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD) | Extended Price |
| 4         | 198412 | RB 92700-10310-041-2 | Shank<br>-Issue P/O;<br><br>-Black oxide finish, MIL-C-13924C Class 1<br>-Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess.<br>-Material type; 4140<br>-Certificate of Conformity is required | Firmed -<br><br>X6 |         | 9/17/19  | 6 pcs          | 0 pcs             | 6 pcs   | \$1.91/pcs       | \$11.46        |
|           |        |                      |                                                                                                                                                                                                                                                                                         |                    |         |          |                |                   |         | SEP 16 2019      | DP             |
|           |        |                      |                                                                                                                                                                                                                                                                                         |                    |         |          |                |                   |         | SZ12078          |                |
|           |        |                      |                                                                                                                                                                                                                                                                                         |                    |         |          |                |                   |         | Grand Total:     | \$125.13       |

### Order Notes

Procurement Quality Clauses  
A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)

A022 Apical Processing  
A024 process certifications  
A026 certification of material conformance

A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 9/10/19 10:04 AM Dart.Guerin.Kimberley



# Certificat de Conformité / Certificate of Compliance

(022253-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9  
 Tel: 514-335-3666 Fax: 514-335-3868  
 www.groupaltech.com

## Bon de Livraison / Packing Slip

**022253 - 1**

Livré à / Ship to

**DART AEROSPACE LTD**  
 1270 ABERDEEN STREET  
 HAWKESBURY, ON, K6A1K7  
 CANADA  
 Tel.: 613-632-5200 Fax.:

Client / Customer:

**DART AEROSPACE LTD**  
 1270 ABERDEEN STREET  
 HAWKESBURY, ON, K6A1K7  
 CANADA  
 BUYER:

| Date expédition<br>Ship date |                                                           | Créé Par<br>Generated By                                                                                                                                                                                                                       | Transport / No de Compte<br>Courier / Acc. No. | Bon de commande Client<br>Customer Purchase Order No. |                 |                   |               |                         |
|------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------------|-----------------|-------------------|---------------|-------------------------|
| 16-Sep-2019                  |                                                           | Jigar Patel                                                                                                                                                                                                                                    |                                                | POHB044450                                            |                 |                   |               |                         |
| Ligne<br>Line#               | No. de Série / # Pièce<br>Part Number / Line Item Details | Description pièce(s)                                                                                                                                                                                                                           | CATG.<br>U/M                                   | Quantités / Quantities                                |                 |                   |               | À venir /<br>Back Order |
|                              |                                                           |                                                                                                                                                                                                                                                |                                                | Comm.<br>/Ordered                                     | Exp/<br>Shipped | Qté NC/<br>NC Qty | Qté<br>Scrap/ |                         |
| 1                            | RBW6521A00138-W142N-3T<br>Rev.                            | RBW6521A00138-W142N-3T<br>OXIDE-BLK & OIL [OXIDE BLACK AND OIL]<br>MIL-C-13924C CLASS 1<br>APPLY THIN LAYER OF OIL/CPC<br>PER MIL-PRF-16173 GRADE 3 CLASS 1 OR<br>MIL-C-81309 TYPE 3 OR<br>MIL-C23411A OR MIL-PRF-81309<br>AND WIPE OFF EXCESS | OXIDE-BLACK<br>CH                              | 6                                                     | 6               | 0                 | 0             | 0                       |
| 2                            | RB6795590-3B<br>Rev.                                      | RB6795590-3B<br>OXIDE-BLK & OIL [OXIDE BLACK AND OIL]<br>MIL-C-13924C CLASS 1<br>APPLY THIN LAYER OF OIL/CPC<br>PER MIL-PRF-16173 GRADE 3 CLASS 1 OR<br>MIL-C-81309 TYPE 3 OR<br>MIL-C23411A OR MIL-PRF-81309<br>AND WIPE OFF EXCESS           | OXIDE-BLACK<br>CH                              | 29                                                    | 29              | 0                 | 0             | 0                       |
| 3                            | RB 92700-10310-041-4<br>Rev.                              | RB 92700-10310-041-4<br>OXIDE-BLK & OIL [OXIDE BLACK AND OIL]<br>MIL-C-13924C CLASS 1<br>APPLY THIN LAYER OF OIL/CPC<br>PER MIL-PRF-16173 GRADE 3 CLASS 1 OR<br>MIL-C-81309 TYPE 3 OR<br>MIL-C23411A OR MIL-PRF-81309<br>AND WIPE OFF EXCESS   | OXIDE-BLACK<br>CH                              | 6                                                     | 6               | 0                 | 0             | 0                       |
| 4                            | RB 92700-10310-041-2<br>Rev.                              | RB 92700-10310-041-2<br>OXIDE-BLK & OIL [OXIDE BLACK AND OIL]<br>MIL-C-13924C CLASS 1<br>APPLY THIN LAYER OF OIL/CPC<br>PER MIL-PRF-16173 GRADE 3 CLASS 1 OR<br>MIL-C-81309 TYPE 3 OR<br>MIL-C23411A OR MIL-PRF-81309<br>AND WIPE OFF EXCESS   | OXIDE-BLACK<br>CH                              | 6                                                     | 6               | 0                 | 0             | 0                       |

**RECEIVED**  
 SEP 17 2019  
 DART AEROSPACE LTD.

Notes Additionnelles / Additional Notes

2 BOXES  
 2 PACK-AGES

Epaisseur réelle  
Actual Thickness

Inspecteur Qualité  
Quality Inspector

Réçu par  
Received By

*J. Jigar*

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.  
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.  
 Our financial and legal responsibility will not be higher than the amount of invoice.